

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/22/2018 12:03 PM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124779	-1	1.21	124875	1.21
Blue	F	SSC	125000	124571	-1	2.14	125158	2.12
Blue	E	FITC	15760	15367	-3	2.95	334	23.05
Blue	D	PE	25880	25494	-2	2.02	554	16.52
Blue	B	PerCP-Cy5-5	34075	33633	-2	4.12	1031	22.19
Blue	A	PE-Cy7	22776	22954	0	7.22	551	44.14
Red	C	APC	42488	41494	-3	2.64	1583	12.85
Red	A	APC-Cy7	24478	24268	-1	2.78	833	12.94
Violet	B	V450	6304	6171	-3	3.93	353	16.97
Violet	A	V500	26005	24933	-5	3.58	587	13.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21147	4.87	604	7	N/A	N/A	Pass
Blue	F	SSC	56466	1.54	566	11	N/A	N/A	Pass
Blue	E	FITC	58	74.13	558	2	0.0144	157	Pass
Blue	D	PE	115	57.86	552	3	0.1368	322	Pass
Blue	B	PerCP-Cy5-5	195	54.40	651	4	0.0077	79	Pass
Blue	A	PE-Cy7	108	111.68	704	7	0.0097	35	Pass
Red	C	APC	373	27.47	599	-1	0.0217	181	Pass
Red	A	APC-Cy7	204	28.61	571	0	0.0047	981	Pass
Violet	B	V450	60	75.31	486	-3	0.0322	2913	Pass
Violet	A	V500	88	49.96	502	-4	0.0145	1849	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.49	-30.86	0.96
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	16.59	13.60 - 20.40	N/A	N/A	30.79	31.34	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9576

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments